

In the Claims:

Please cancel claims 1-5, 8-10, 12-14, 20, 25-36, and 38-41.

Please amend the claims to appear as follows:

Sub C1 15. A method of mounting an electrical connector to a substrate, comprising:
providing an electrical connector having a contact and a hold down;
providing a substrate having a pad;
securing said contact to said pad on said substrate during a reflow process;
placing said hold down into a hole in said substrate so as to permit said
contact to center on said pad upon mounting to the substrate without contacting another pad on
the substrate, wherein said hold down is adapted to retain said housing a distance from a surface
of the substrate; and
securing said hold down to said substrate during said reflow process
subsequent to said securing of said contact, wherein said hold down is adapted to limit flattening
of said contact during said reflow process.

Sub C2 *Sub C3* *Sub C4* *Sub C5* *Sub C6* *Sub C7* *Sub C8* *Sub C9* *Sub C10* *Sub C11* *Sub C12* *Sub C13* *Sub C14* *Sub C15* *Sub C16* *Sub C17* *Sub C18* *Sub C19* *Sub C20* *Sub C21* *Sub C22* *Sub C23* *Sub C24* *Sub C25* *Sub C26* *Sub C27* *Sub C28* *Sub C29* *Sub C30* *Sub C31* *Sub C32* *Sub C33* *Sub C34* *Sub C35* *Sub C36* *Sub C37* *Sub C38* *Sub C39* *Sub C40* *Sub C41* *Sub C42* *Sub C43* *Sub C44* *Sub C45* *Sub C46* *Sub C47* *Sub C48* *Sub C49* *Sub C50* *Sub C51* *Sub C52* *Sub C53* *Sub C54* *Sub C55* *Sub C56* *Sub C57* *Sub C58* *Sub C59* *Sub C60* *Sub C61* *Sub C62* *Sub C63* *Sub C64* *Sub C65* *Sub C66* *Sub C67* *Sub C68* *Sub C69* *Sub C70* *Sub C71* *Sub C72* *Sub C73* *Sub C74* *Sub C75* *Sub C76* *Sub C77* *Sub C78* *Sub C79* *Sub C80* *Sub C81* *Sub C82* *Sub C83* *Sub C84* *Sub C85* *Sub C86* *Sub C87* *Sub C88* *Sub C89* *Sub C90* *Sub C91* *Sub C92* *Sub C93* *Sub C94* *Sub C95* *Sub C96* *Sub C97* *Sub C98* *Sub C99* *Sub C100* *Sub C101* *Sub C102* *Sub C103* *Sub C104* *Sub C105* *Sub C106* *Sub C107* *Sub C108* *Sub C109* *Sub C110* *Sub C111* *Sub C112* *Sub C113* *Sub C114* *Sub C115* *Sub C116* *Sub C117* *Sub C118* *Sub C119* *Sub C120* *Sub C121* *Sub C122* *Sub C123* *Sub C124* *Sub C125* *Sub C126* *Sub C127* *Sub C128* *Sub C129* *Sub C130* *Sub C131* *Sub C132* *Sub C133* *Sub C134* *Sub C135* *Sub C136* *Sub C137* *Sub C138* *Sub C139* *Sub C140* *Sub C141* *Sub C142* *Sub C143* *Sub C144* *Sub C145* *Sub C146* *Sub C147* *Sub C148* *Sub C149* *Sub C150* *Sub C151* *Sub C152* *Sub C153* *Sub C154* *Sub C155* *Sub C156* *Sub C157* *Sub C158* *Sub C159* *Sub C160* *Sub C161* *Sub C162* *Sub C163* *Sub C164* *Sub C165* *Sub C166* *Sub C167* *Sub C168* *Sub C169* *Sub C170* *Sub C171* *Sub C172* *Sub C173* *Sub C174* *Sub C175* *Sub C176* *Sub C177* *Sub C178* *Sub C179* *Sub C180* *Sub C181* *Sub C182* *Sub C183* *Sub C184* *Sub C185* *Sub C186* *Sub C187* *Sub C188* *Sub C189* *Sub C190* *Sub C191* *Sub C192* *Sub C193* *Sub C194* *Sub C195* *Sub C196* *Sub C197* *Sub C198* *Sub C199* *Sub C200* *Sub C201* *Sub C202* *Sub C203* *Sub C204* *Sub C205* *Sub C206* *Sub C207* *Sub C208* *Sub C209* *Sub C210* *Sub C211* *Sub C212* *Sub C213* *Sub C214* *Sub C215* *Sub C216* *Sub C217* *Sub C218* *Sub C219* *Sub C220* *Sub C221* *Sub C222* *Sub C223* *Sub C224* *Sub C225* *Sub C226* *Sub C227* *Sub C228* *Sub C229* *Sub C230* *Sub C231* *Sub C232* *Sub C233* *Sub C234* *Sub C235* *Sub C236* *Sub C237* *Sub C238* *Sub C239* *Sub C240* *Sub C241* *Sub C242* *Sub C243* *Sub C244* *Sub C245* *Sub C246* *Sub C247* *Sub C248* *Sub C249* *Sub C250* *Sub C251* *Sub C252* *Sub C253* *Sub C254* *Sub C255* *Sub C256* *Sub C257* *Sub C258* *Sub C259* *Sub C260* *Sub C261* *Sub C262* *Sub C263* *Sub C264* *Sub C265* *Sub C266* *Sub C267* *Sub C268* *Sub C269* *Sub C270* *Sub C271* *Sub C272* *Sub C273* *Sub C274* *Sub C275* *Sub C276* *Sub C277* *Sub C278* *Sub C279* *Sub C280* *Sub C281* *Sub C282* *Sub C283* *Sub C284* *Sub C285* *Sub C286* *Sub C287* *Sub C288* *Sub C289* *Sub C290* *Sub C291* *Sub C292* *Sub C293* *Sub C294* *Sub C295* *Sub C296* *Sub C297* *Sub C298* *Sub C299* *Sub C300* *Sub C301* *Sub C302* *Sub C303* *Sub C304* *Sub C305* *Sub C306* *Sub C307* *Sub C308* *Sub C309* *Sub C310* *Sub C311* *Sub C312* *Sub C313* *Sub C314* *Sub C315* *Sub C316* *Sub C317* *Sub C318* *Sub C319* *Sub C320* *Sub C321* *Sub C322* *Sub C323* *Sub C324* *Sub C325* *Sub C326* *Sub C327* *Sub C328* *Sub C329* *Sub C330* *Sub C331* *Sub C332* *Sub C333* *Sub C334* *Sub C335* *Sub C336* *Sub C337* *Sub C338* *Sub C339* *Sub C340* *Sub C341* *Sub C342* *Sub C343* *Sub C344* *Sub C345* *Sub C346* *Sub C347* *Sub C348* *Sub C349* *Sub C350* *Sub C351* *Sub C352* *Sub C353* *Sub C354* *Sub C355* *Sub C356* *Sub C357* *Sub C358* *Sub C359* *Sub C360* *Sub C361* *Sub C362* *Sub C363* *Sub C364* *Sub C365* *Sub C366* *Sub C367* *Sub C368* *Sub C369* *Sub C370* *Sub C371* *Sub C372* *Sub C373* *Sub C374* *Sub C375* *Sub C376* *Sub C377* *Sub C378* *Sub C379* *Sub C380* *Sub C381* *Sub C382* *Sub C383* *Sub C384* *Sub C385* *Sub C386* *Sub C387* *Sub C388* *Sub C389* *Sub C390* *Sub C391* *Sub C392* *Sub C393* *Sub C394* *Sub C395* *Sub C396* *Sub C397* *Sub C398* *Sub C399* *Sub C400* *Sub C401* *Sub C402* *Sub C403* *Sub C404* *Sub C405* *Sub C406* *Sub C407* *Sub C408* *Sub C409* *Sub C410* *Sub C411* *Sub C412* *Sub C413* *Sub C414* *Sub C415* *Sub C416* *Sub C417* *Sub C418* *Sub C419* *Sub C420* *Sub C421* *Sub C422* *Sub C423* *Sub C424* *Sub C425* *Sub C426* *Sub C427* *Sub C428* *Sub C429* *Sub C430* *Sub C431* *Sub C432* *Sub C433* *Sub C434* *Sub C435* *Sub C436* *Sub C437* *Sub C438* *Sub C439* *Sub C440* *Sub C441* *Sub C442* *Sub C443* *Sub C444* *Sub C445* *Sub C446* *Sub C447* *Sub C448* *Sub C449* *Sub C450* *Sub C451* *Sub C452* *Sub C453* *Sub C454* *Sub C455* *Sub C456* *Sub C457* *Sub C458* *Sub C459* *Sub C460* *Sub C461* *Sub C462* *Sub C463* *Sub C464* *Sub C465* *Sub C466* *Sub C467* *Sub C468* *Sub C469* *Sub C470* *Sub C471* *Sub C472* *Sub C473* *Sub C474* *Sub C475* *Sub C476* *Sub C477* *Sub C478* *Sub C479* *Sub C480* *Sub C481* *Sub C482* *Sub C483* *Sub C484* *Sub C485* *Sub C486* *Sub C487* *Sub C488* *Sub C489* *Sub C490* *Sub C491* *Sub C492* *Sub C493* *Sub C494* *Sub C495* *Sub C496* *Sub C497* *Sub C498* *Sub C499* *Sub C500* *Sub C501* *Sub C502* *Sub C503* *Sub C504* *Sub C505* *Sub C506* *Sub C507* *Sub C508* *Sub C509* *Sub C510* *Sub C511* *Sub C512* *Sub C513* *Sub C514* *Sub C515* *Sub C516* *Sub C517* *Sub C518* *Sub C519* *Sub C520* *Sub C521* *Sub C522* *Sub C523* *Sub C524* *Sub C525* *Sub C526* *Sub C527* *Sub C528* *Sub C529* *Sub C530* *Sub C531* *Sub C532* *Sub C533* *Sub C534* *Sub C535* *Sub C536* *Sub C537* *Sub C538* *Sub C539* *Sub C540* *Sub C541* *Sub C542* *Sub C543* *Sub C544* *Sub C545* *Sub C546* *Sub C547* *Sub C548* *Sub C549* *Sub C550* *Sub C551* *Sub C552* *Sub C553* *Sub C554* *Sub C555* *Sub C556* *Sub C557* *Sub C558* *Sub C559* *Sub C560* *Sub C561* *Sub C562* *Sub C563* *Sub C564* *Sub C565* *Sub C566* *Sub C567* *Sub C568* *Sub C569* *Sub C570* *Sub C571* *Sub C572* *Sub C573* *Sub C574* *Sub C575* *Sub C576* *Sub C577* *Sub C578* *Sub C579* *Sub C580* *Sub C581* *Sub C582* *Sub C583* *Sub C584* *Sub C585* *Sub C586* *Sub C587* *Sub C588* *Sub C589* *Sub C590* *Sub C591* *Sub C592* *Sub C593* *Sub C594* *Sub C595* *Sub C596* *Sub C597* *Sub C598* *Sub C599* *Sub C600* *Sub C601* *Sub C602* *Sub C603* *Sub C604* *Sub C605* *Sub C606* *Sub C607* *Sub C608* *Sub C609* *Sub C610* *Sub C611* *Sub C612* *Sub C613* *Sub C614* *Sub C615* *Sub C616* *Sub C617* *Sub C618* *Sub C619* *Sub C620* *Sub C621* *Sub C622* *Sub C623* *Sub C624* *Sub C625* *Sub C626* *Sub C627* *Sub C628* *Sub C629* *Sub C630* *Sub C631* *Sub C632* *Sub C633* *Sub C634* *Sub C635* *Sub C636* *Sub C637* *Sub C638* *Sub C639* *Sub C640* *Sub C641* *Sub C642* *Sub C643* *Sub C644* *Sub C645* *Sub C646* *Sub C647* *Sub C648* *Sub C649* *Sub C650* *Sub C651* *Sub C652* *Sub C653* *Sub C654* *Sub C655* *Sub C656* *Sub C657* *Sub C658* *Sub C659* *Sub C660* *Sub C661* *Sub C662* *Sub C663* *Sub C664* *Sub C665* *Sub C666* *Sub C667* *Sub C668* *Sub C669* *Sub C670* *Sub C671* *Sub C672* *Sub C673* *Sub C674* *Sub C675* *Sub C676* *Sub C677* *Sub C678* *Sub C679* *Sub C680* *Sub C681* *Sub C682* *Sub C683* *Sub C684* *Sub C685* *Sub C686* *Sub C687* *Sub C688* *Sub C689* *Sub C690* *Sub C691* *Sub C692* *Sub C693* *Sub C694* *Sub C695* *Sub C696* *Sub C697* *Sub C698* *Sub C699* *Sub C700* *Sub C701* *Sub C702* *Sub C703* *Sub C704* *Sub C705* *Sub C706* *Sub C707* *Sub C708* *Sub C709* *Sub C710* *Sub C711* *Sub C712* *Sub C713* *Sub C714* *Sub C715* *Sub C716* *Sub C717* *Sub C718* *Sub C719* *Sub C720* *Sub C721* *Sub C722* *Sub C723* *Sub C724* *Sub C725* *Sub C726* *Sub C727* *Sub C728* *Sub C729* *Sub C730* *Sub C731* *Sub C732* *Sub C733* *Sub C734* *Sub C735* *Sub C736* *Sub C737* *Sub C738* *Sub C739* *Sub C740* *Sub C741* *Sub C742* *Sub C743* *Sub C744* *Sub C745* *Sub C746* *Sub C747* *Sub C748* *Sub C749* *Sub C750* *Sub C751* *Sub C752* *Sub C753* *Sub C754* *Sub C755* *Sub C756* *Sub C757* *Sub C758* *Sub C759* *Sub C760* *Sub C761* *Sub C762* *Sub C763* *Sub C764* *Sub C765* *Sub C766* *Sub C767* *Sub C768* *Sub C769* *Sub C770* *Sub C771* *Sub C772* *Sub C773* *Sub C774* *Sub C775* *Sub C776* *Sub C777* *Sub C778* *Sub C779* *Sub C780* *Sub C781* *Sub C782* *Sub C783* *Sub C784* *Sub C785* *Sub C786* *Sub C787* *Sub C788* *Sub C789* *Sub C790* *Sub C791* *Sub C792* *Sub C793* *Sub C794* *Sub C795* *Sub C796* *Sub C797* *Sub C798* *Sub C799* *Sub C800* *Sub C801* *Sub C802* *Sub C803* *Sub C804* *Sub C805* *Sub C806* *Sub C807* *Sub C808* *Sub C809* *Sub C810* *Sub C811* *Sub C812* *Sub C813* *Sub C814* *Sub C815* *Sub C816* *Sub C817* *Sub C818* *Sub C819* *Sub C820* *Sub C821* *Sub C822* *Sub C823* *Sub C824* *Sub C825* *Sub C826* *Sub C827* *Sub C828* *Sub C829* *Sub C830* *Sub C831* *Sub C832* *Sub C833* *Sub C834* *Sub C835* *Sub C836* *Sub C837* *Sub C838* *Sub C839* *Sub C840* *Sub C841* *Sub C842* *Sub C843* *Sub C844* *Sub C845* *Sub C846* *Sub C847* *Sub C848* *Sub C849* *Sub C850* *Sub C851* *Sub C852* *Sub C853* *Sub C854* *Sub C855* *Sub C856* *Sub C857* *Sub C858* *Sub C859* *Sub C860* *Sub C861* *Sub C862* *Sub C863* *Sub C864* *Sub C865* *Sub C866* *Sub C867* *Sub C868* *Sub C869* *Sub C870* *Sub C871* *Sub C872* *Sub C873* *Sub C874* *Sub C875* *Sub C876* *Sub C877* *Sub C878* *Sub C879* *Sub C880* *Sub C881* *Sub C882* *Sub C883* *Sub C884* *Sub C885* *Sub C886* *Sub C887* *Sub C888* *Sub C889* *Sub C890* *Sub C891* *Sub C892* *Sub C893* *Sub C894* *Sub C895* *Sub C896* *Sub C897* *Sub C898* *Sub C899* *Sub C900* *Sub C901* *Sub C902* *Sub C903* *Sub C904* *Sub C905* *Sub C906* *Sub C907* *Sub C908* *Sub C909* *Sub C910* *Sub C911* *Sub C912* *Sub C913* *Sub C914* *Sub C915* *Sub C916* *Sub C917* *Sub C918* *Sub C919* *Sub C920* *Sub C921* *Sub C922* *Sub C923* *Sub C924* *Sub C925* *Sub C926* *Sub C927* *Sub C928* *Sub C929* *Sub C930* *Sub C931* *Sub C932* *Sub C933* *Sub C934* *Sub C935* *Sub C936* *Sub C937* *Sub C938* *Sub C939* *Sub C940* *Sub C941* *Sub C942* *Sub C943* *Sub C944* *Sub C945* *Sub C946* *Sub C947* *Sub C948* *Sub C949* *Sub C950* *Sub C951* *Sub C952* *Sub C953* *Sub C954* *Sub C955* *Sub C956* *Sub C957* *Sub C958* *Sub C959* *Sub C960* *Sub C961* *Sub C962* *Sub C963* *Sub C964* *Sub C965* *Sub C966* *Sub C967* *Sub C968* *Sub C969* *Sub C970* *Sub C971* *Sub C972* *Sub C973* *Sub C974* *Sub C975* *Sub C976* *Sub C977* *Sub C978* *Sub C979* *Sub C980* *Sub C981* *Sub C982* *Sub C983* *Sub C984* *Sub C985* *Sub C986* *Sub C987* *Sub C988* *Sub C989* *Sub C990* *Sub C991* *Sub C992* *Sub C993* *Sub C994* *Sub C995* *Sub C996* *Sub C997* *Sub C998* *Sub C999* *Sub C1000* *Sub C1001* *Sub C1002* *Sub C1003* *Sub C1004* *Sub C1005* *Sub C1006* *Sub C1007* *Sub C1008* *Sub C1009* *Sub C1010* *Sub C1011* *Sub C1012* *Sub C1013* *Sub C1014* *Sub C1015* *Sub C1016* *Sub C1017* *Sub C1018* *Sub C1019* *Sub C1020* *Sub C1021* *Sub C1022* *Sub C1023* *Sub C1024* *Sub C1025* *Sub C1026* *Sub C1027* *Sub C1028* *Sub C1029* *Sub C1030* *Sub C1031* *Sub C1032* *Sub C1033* *Sub C1034* *Sub C1035* *Sub C1036* *Sub C1037* *Sub C1038* *Sub C1039* *Sub C1040* *Sub C1041* *Sub C1042* *Sub C1043* *Sub C1044* *Sub C1045* *Sub C1046* *Sub C1047* *Sub C1048* *Sub C1049* *Sub C1050* *Sub C1051* *Sub C1052* *Sub C1053* *Sub C1054* *Sub C1055* *Sub C1056* *Sub C1057* *Sub C1058* *Sub C1059* *Sub C1060* *Sub C1061* *Sub C1062* *Sub C1063* *Sub C1064* *Sub C1065* *Sub C1066* *Sub C1067* *Sub C1068* *Sub C1069* *Sub C1070* *Sub C1071* *Sub C1072* *Sub C1073* *Sub C1074* *Sub C1075* *Sub C1076* *Sub C1077* *Sub C1078* *Sub C1079* *Sub C1080* *Sub C1081* *Sub C1082* *Sub C1083* *Sub C1084* *Sub C1085* *Sub C108*

9 6
securing said hold down to said substrate during said reflow process
(10 subsequent to said securing of said contact, wherein said hold down is adapted to limit flattening
11 of said contact during said reflow process.

43. The connector/substrate combination as recited in claim 42, wherein said step of securing comprises soldering said hold down to said substrate.

D2 44. The connector/substrate combination as recited in claim 42, further comprising the step of constructing said electrical connector such that it remains substantially parallel when mounted to said substrate.

45. The connector/substrate combination as recited in claim 42, further comprising the step of balancing said electrical connector on said substrate such that said electrical connector remains substantially parallel to said substrate during said securing.

46. The connector/substrate combination as recited in claim 42, wherein said connector is a ball grid array connector.
